

Effective 7/1/2014**Superseded 7/1/2016****15A-3-203 Amendments to Chapters 6 through 15 of IRC.**

- (1) In IRC, Section N1101.8 (R103.2), all words after the words "herein governed." are deleted and replaced with the following: "Construction documents include all documentation required to be submitted in order to issue a building permit."
- (2) In IRC, Section N1101.14 (R303.3), all wording after the first sentence is deleted.
- (3) In IRC, Table N1102.1.1 (R402.1.1) and Table N1102.1.3 (R402.1.3), the rows for "climate zone 3", "climate zone 5 and Marine 4", and "climate zone 6" are deleted and replaced and a new footnote j is added as follows:

| "TABLE N1102.1.1 (R402.1.1) | | | | | | | | | | |
|--|------------------------------------|--------------------------------|---|--|---------------------------------|----------------------------------|------------------------|------------------------------------|------------------------------------|---------------------------------------|
| INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT ^a | | | | | | | | | | |
| CLIMATE ZONE | FENESTRATION U-FACTOR ^b | SKYLIGHT U-FACTOR ^b | GLAZED FENESTRATION SHGC ^{b,e} | CEILING FENESTRATION U-FACTOR ^b | WOOD FRAME WALL R-VALUE | MASS WALL R-VALUE ^{i,j} | FLOOR R-VALUE | BASEMENT WALL R-VALUE ^c | STAIR R-VALUE ^d & DEPTH | CRAWL SPACE WALL R-VALUE ^c |
| 3 | 0.65 | 0.65 | 0.40 | 30 | 15 | 5 | 19 | 0 | 0 | 5/13 |
| 5 and Marine 4 | 0.35 | 0.60 | NR | 38 | 19 or 13 + 5h | 13 | 30 g | 10/13 | 10, 2 ft | 10/13 |
| 6 | 0.35 | 0.60 | NR | 49 | 19 or 13 + 5h | 15 | 30 g | 10/13 | 10, 4 ft | 10/13 |
| j. Log walls complying with ICC400 and with a minimum average wall thickness of 5" or greater shall be permitted in Zones 5-8 when overall window glazing is .31 U-factor or lower, minimum heating equipment efficiency is 90 AFUE (gas) or 84 AFUE (oil), and all other component requirements are met." | | | | | | | | | | |
| TABLE N1102.1.3 (R402.1.3) | | | | | | | | | | |
| EQUIVALENT U-FACTORS ^a | | | | | | | | | | |
| CLIMATE ZONE | FENESTRATION U-FACTOR | SKYLIGHT U-FACTOR | CEILING FENESTRATION U-FACTOR | WOOD FRAME WALL U-FACTOR | MASS WALL U-FACTOR ^b | FLOOR U-FACTOR | BASEMENT WALL U-FACTOR | CRAWL SPACE WALL U-FACTOR | | |
| 3 | 0.65 | 0.65 | 0.035 | 0.082 | 0.141 | 0.047 | 0.360 | 0.136 | | |
| 5 and Marine 4 | 0.35 | 0.60 | 0.030 | 0.060 | 0.082 | 0.033 | 0.059 | 0.065 | | |
| 6 | 0.35 | 0.60 | 0.026 | 0.060 | 0.060 | 0.033 | 0.059 | 0.065 | | |

- (4) In IRC, Section N1102.2.1 (R402.2.1), the last sentence is deleted.
- (5) In IRC, Section N1102.2.2 (R402.2.2), the last sentence is deleted.
- (6) In IRC, Section N1102.3.3 (R402.3.3), the last sentence is deleted.
- (7) In IRC, Section N1102.3.4 (R402.3.4), the last sentence is deleted.
- (8) In IRC, Section N1102.4.1 (R402.4.1), in the first sentence, the word "and" is deleted and replaced with the word "or".
- (9) In IRC, Section N1102.4.1.1 (R402.4.1.1), the last sentence is deleted and replaced with the following: "Where allowed by the building official, the builder may certify compliance to components criteria for items which may not be inspected during regularly scheduled inspections."
- (10) In IRC, Section N1102.4.1.2 (R402.4.1.2), the following changes are made:
 - (a) In the first sentence, the words "in Zones 1 and 2, and 3 air changes per hour in Zone 3 through 8" are deleted.
 - (b) In the third sentence, the words "Where required by the building official," and the word "third" are deleted.
 - (c) The following sentence is inserted after the third sentence: "The following parties shall be approved to conduct testing: Parties certified by BPI or RESNET, or licensed contractors who have completed training provided by Blower Door Test equipment manufacturers or other comparable training."
- (11) In IRC, Section N1102.4.4 (R402.4.4), the last sentence is deleted.
- (12) In IRC, Section N1103.2.2 (R403.2.2), the requirements for total leakage testing are deleted and replaced with the following:
 1. Postconstruction test: Total leakage shall be less than or equal to 10 cfm (283 L/min) per 100 square feet (9.29 m²) of conditioned floor space when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.
 2. Rough-in test: Total leakage shall be less than or equal to 10 cfm (283 L/min) per 100 square feet (9.29 m²) of conditioned floor area when tested at a pressure differential of at least 0.1 inches w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure. All registers shall be taped or otherwise sealed during the test. If the air handler is not installed at the time of the test, total leakage shall be less than or equal to 7.5 cfm (212 L/min) per 100 square feet (9.29 m²) of conditioned floor area."
- (13) In IRC, Section N1103.2.2 (R403.2.2), the exception for total leakage testing is deleted and replaced with the following: "Exception: The total leakage test is not required for systems with all air handlers and at least 50% of all ducts (measured by length) located entirely within the building thermal envelope."
- (14) In IRC, Section N1103.2.3 (R403.2.3), the words "or plenums" are deleted.
- (15) In IRC, Section N1103.4.2 (R403.4.2), the sentences for "3.", "9.", and the last sentence are deleted.
- (16) In IRC, Section N1103.5 (R403.5), the first sentence is deleted.
- (17) IRC, Section N1104.1 (R404.1) and the exception are deleted, and N1104.1.1 (R404.1.1) becomes N1104.1 (R404.1).
- (18) In IRC, Table N1105.5.2(1) (R405.5.2(1)), the following changes are made under the column STANDARD REFERENCE DESIGN:
 - (a) In the row "Air exchange rate", the words "in Zones 1 and 2, and 3 air changes per hour in Zones 3 through 8" are deleted.
 - (b) In the row "Heating systemsf, g", the standard reference design is deleted and replaced with the following:

"Fuel Type: same as proposed design

Efficiencies:

Electric: air source heat pump with prevailing federal minimum efficiencies

Nonelectric furnaces: natural gas furnace with prevailing federal minimum efficiencies

Nonelectric boilers: natural gas boiler with prevailing federal minimum efficiencies

Capacity: sized in accordance with Section N1103.6"

- (c) In the row "Cooling systemsf, h" the words "As proposed" are deleted and replaced with the following:

"Fuel Type: Electric

Efficiency: in accordance with prevailing federal minimum standards"

- (d) In the row "Service water heatingf, g, h, i", the words "As proposed" are deleted and replaced with the following:

"Fuel Type: same as proposed design

Efficiency: in accordance with prevailing federal minimum standards

Tank Temperature: 120o F"

- (e) In the row "Thermal distribution systems" the word "none" is deleted and replaced with the following: "Thermal distribution system efficiency (DSE) of .080 shall be applied to both the heating and cooling system efficiencies."

- (19) In Table N1105.5.2(2) (R405.5.2(2)), the number "0.80" is inserted under "Forced air systems" for "Distribution system components located in unconditioned space".

- (20) In IRC, Section M1307.2, the words "In Seismic Design Categories D1 and D2" are deleted.

- (21) The RESCheck Software adopted by the United States Department of Energy and modified to meet the requirements of this section shall be used to verify compliance with this section. The software shall address the Total UA alternative approach and account for Equipment Efficiency Trade-offs when applicable per the standard reference design as amended.

- (22) IRC, Section M1411.6, is deleted.